

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	8	((("4793680") or ("5970368") or ("5558789") or ("6220058") or ("6573026") or ("7247527") or ("7438824") or ("7796317"))).PN.	USPAT; USOCR	OR	OFF	2010/10/11 10:52
L4	2	"20080216926"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 10:52
L5	10	3 4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 10:52
L6	33	("20020001779"   "20030169467"   "20040013805"   "20040124184"   "5417896"   "5436192"   "5558789"   "5812629"   "6031201"   "6291797"   "6376799"   "6456416"   "6552301"   "6741621"   "6859318"   "7091125"   "7421158").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 10:53
L7	9	5 not 6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 10:53

L8	1	5 not 7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 10:53
S1	2	"20060138102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:02
S2	2	"20040124184"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:35
S3	2	S2 and melt\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:37
S4	0	S1 and melt\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:37
S5	1	S1 and ablat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:37
S6	2	"20040013805"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:49
S7	0	S6 and ablat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:49
S8	0	S6 and melt\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:49

S9	1	S6 and laser near4 form\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:50
S10	66	laser with ablat\$4 with (rippl\$3 wave) near3 (pattern\$4 structur\$4 form\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:54
S11	34	laser with ablat\$4 with (rippl\$3 wave) near3 (pattern\$4 structur\$4 form\$5) with surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:54
S12	34	laser with ablat\$4 with (rippl\$3 wave) near3 (pattern\$4 structur\$4 form\$5) with (surface face)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:54
S13	13	laser with ablat\$4 with (rippl\$3 wave) near3 (pattern\$4 structur\$4 form\$5) with (surface face) not tonar.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:56
S14	1	("6518540").PN.	USPAT; USOCR	OR	OFF	2010/03/18 13:57
S15	1	S14 and ablat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 13:58
S16	8	"1372003"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 14:02
S17	1	S1 and spontaneous\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/18 14:18
S18	2	((("5417896") or ("5072091"))).PN.	USPAT; USOCR	OR	OFF	2010/03/19 10:34
S19	2	((("5417896") or ("5072091"))).PN.	USPAT; USOCR	OR	OFF	2010/03/19 11:22

S20	16	"3463898"   "3848104"   "4079230"   "4250372"   "4417948"   "4468551"   "4500771"   "4734550"   "4868006"   "5175043").PN. OR ("5072091"   "5417896").UPPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/19 11:23
S21	499	"1647631"   "1840799"   "2751419"   "2876187"   "2975668"   "3081485"   "3083611"   "3110762"   "3145242"   "3154371"   "3181170"   "3226721"   "3259751"   "3364497"   "3549733"   "3552834"   "3593973"   "3597578"   "3607354"   "3617702"   "3626143"   "3633126"   "3743777"   "3746421"   "3827787"   "3848104"   "3881802"   "3914521"   "3920951"   "3941973"   "3947093"   "3978341"   "4001840"   "4015100"   "4026732"   "4046986"   "4048428"   "4063063"   "4081654"   "4099830"   "4120903"   "4151014"   "4153786"   "4200382"   "4223346"   "4247496"   "4293350"   "4311759"   "4315130"   "4321551"   "4322601"   "4323755"   "4333173"   "4336439"   "4348263"   "4354090"   "4414059"   "4417948"   "4443684"   "4482204"   "4504726"   "4518654"   "4568632"   "4568775"   "4628179"   "4631155"   "4638143"   "4710563"	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/19 11:23

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"4079230" |

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S22	2	S21 and laser with (ablat \$4 evaporat\$4 sublim \$6) with (ripp\$3 wav\$5 textur\$8 pattern\$3) with period\$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/19 11:26
S23	182	periodic adj structure same laser same polari \$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 11:58
S24	71	periodic adj structure same laser same polari \$6 and (scan\$4 translat \$4 motion move movement moving) with (laser beam energy substrate work workpiece article material)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 12:00
S25	2	"20060138102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 12:00
S26	55	(period\$2 ripple) adj2 structure same laser same polari\$6 and (scan \$4 translat\$4 motion move movement moving) with (laser beam energy substrate work workpiece article material) and (period\$2 ripple) with wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 12:53

S27	37	(period\$2 ripple) adj2 structure same laser same polariz\$6 and (scan \$4 transl\$4 motion move movement moving) with (laser beam energy substrate work workpiece article material) and (period\$2 ripple) with wavelength and (period\$2 ripple) adj2 structure with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 12:55
S28	1	("6220058").PN.	USPAT; USOCR	OR	OFF	2010/10/10 13:07
S29	35	lips and laser and periodic adj structure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:13
S30	16	lips and laser and periodic adj structure and (laser beam) same interference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:14
S31	1	(lips vips tips) same laser with interference and periodic adj structure and (laser beam) same interference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:17
S32	2	S25 and specimen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:29
S33	405	(period\$2 ripple) adj2 structure same laser same (copper aluminum aluminium cu al silicon si)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:31
S34	22	(period\$2 ripple) adj2 structure same laser same (copper aluminum aluminium cu al silicon si) and laser same interfer\$5 with (polariz \$6 scatter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:32

S35	17	S34 and p	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:53
S36	8	S34 and p adj2 polari\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:53
S37	6	S34 and p adj2 polari\$7 and scan\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/10 13:55
S38	108	{"20030122129"   "20030143375"   "20030223695"   "20040259389"   "20040266147"   "20040266223"   "20050023531"   "20050208710"   "20050226287"   "4022602"   "4286838"   "4400056"   "4403827"   "4417948"   "4540244"   "4560249"   "4622663"   "4673241"   "4707059"   "4707217"   "4725110"   "4728165"   "4737007"   "4750801"   "4868006"   "5053171"   "5175043"   "5543352"   "5569610"   "5612250"   "5621224"   "5634955"   "5712191"   "5756364"   "5795795"   "5814835"   "5824573"   "5827773"   "5858823"   "5879977"   "5910256"   "5951731"   "5991049"   "6110770"   "6143661"   "6169631"   "6190949"   "6232156"   "6319761"   "6331457"   "6335541"   "6451638"   "6479329"	US-PGPUB; USPAT; USOCR	OR	ON	2010/10/11 06:42



		"6548830"   "6573026"   "6828179"   "6890840").PN. OR ("2009/0310209"   "4793680"   "5417896"   "5970368"   "6220058"   "7247527"   "7438824"   "7796317").URPN.				
S39	10	S38 and laser same ablat\$4 with (rippl\$3 wave pattern\$4 structur \$4 form\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 06:43
S40	33	S38 and laser same (ablat\$4 etch\$4 mill\$4) with (rippl\$3 wave pattern\$4 structur\$4 form\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 06:44
S41	0	S38 and laser same (ablat\$4 etch\$4 mill\$4) with (rippl\$3 wave pattern\$4 structur\$4 form\$5) with (scatter\$3 polari\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 06:45
S42	2	S38 and (ablat\$4 etch \$4 mill\$4) with (rippl\$3 wave pattern\$4 structur \$4 form\$5) with (scatter \$3 polari\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 06:45
S43	4	S38 and femtosec\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/11 06:46

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